

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/763,039 B

Source: IFW 16

Date Processed by STIC: 12/11/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/11/2006

PATENT APPLICATION: US/10/763,039B

TIME: 12:21:40

Input Set : A:\Mod-0036.ST25.txt

Output Set: N:\CRF4\12112006\J763039B.raw

```

3 <110> APPLICANT: Jarrell, et al.
5 <120> TITLE OF INVENTION: Alien to Mouse cDNA
7 <130> FILE REFERENCE: 2003320-0036
9 <140> CURRENT APPLICATION NUMBER: 10/763,039B
10 <141> CURRENT FILING DATE: 2004-01-22
12 <160> NUMBER OF SEQ ID NOS: 153
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 174
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Alien to Mouse cDNA
24 <400> SEQUENCE: 1
25 atggttgggg actgcctctc cccagtcgga tggccacct ctgcgtacac cccacctgat      60
27 ccggatgagg ccagatacac ctgtaaggct cctgaccaat tcaaaaagac acgcacctgt      120
29 ttgcgatccc caaagccttg cctgtcgata agtgcagagg aactcttaat gtga          174
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 651
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Alien to Mouse cDNA
40 <400> SEQUENCE: 2
41 atggcctgca ccttgggtgg agaggcccc ttgtcaaaaa ctcccgactt gactggtgac      60
43 ttcaatagct ccttgtcctg gtcttgccctc gacaataacc cggttttggg attagtgcag      120
45 ctcaagggtgg cctcctcctc tagctataag tcggagggaac ttgatctgga gcttcccaag      180
47 cgagccaaga ttctggattc gatcagtggc acttggaaac tccatcttcg caaggagttc      240
49 cgcctcattg tgtgtatgtc gcatgcctgg aaccggcggc atgcagctga tttgaaccgg      300
51 tgcaaattgga agggcaagag ggcaggctgg agaggggccc ccgtgctttt tgetcccatg      360
53 caggtgacgc gcaagtgtgc accagacccc acagagcagt caggcctctt cgataactct      420
55 ttcttgatc actaccagag tctggcctgc atttacctag gctcccttgc ccgaaagggc      480
57 tcttctctga ccaaggatgg aaaggtggat tttcagggcc cttgccttcg tggtgccag      540
59 aattattcga acttttctca gagctcagcg tggttgaaac cgctggacga ccaggaacag      600
61 atcgcccgtc ccctcagtgt ctcgttgtac tatgcagcct tagtgggctg a          651
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 228
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Alien to Mouse cDNA
72 <400> SEQUENCE: 3
73 atgccaaagt tgtaaacct gattcgggca gtcggctgct gtgagaaaca gaccctcctg      60

```

RAW SEQUENCE LISTING

DATE: 12/11/2006

PATENT APPLICATION: US/10/763,039B

TIME: 12:21:40

Input Set : A:\Mod-0036.ST25.txt

Output Set: N:\CRF4\12112006\J763039B.raw

```

75 gctgccgaga gcctcaatga ccgggaggaa atctcctgtt tgttccggcg aaacctcctc      120
77 caggggaatgc ttctgggaga cagagcagat gacaatacca gtgaccacac gatagtctgc      180
79 tacaccttca tgatccccctc ccacgccagg atgcctggaa gtaggtag                    228
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 174
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Alien to Mouse cDNA
90 <400> SEQUENCE: 4
91 atggaagcag agctctgttc acgaggcgtc aacagacgtg acaataactaa acttccactt      60
93 tcgtctttgc cttcagcttc tcctcatgat tccaagagat gtccgcgctc taagatcgct      120
95 cacgtctggg acaccagggc cgacggtagag atcgattcgc gaatcttgta ctga          174
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 306
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Alien to Mouse cDNA
106 <400> SEQUENCE: 5
107 atgaactctc tgtctgaata cgagacctta aggcggacca tgctgcagag ctctaacaag      60
109 tgtaactctc tgtgccaaat tgtacaaact tgggttgagg gtggcaaggc caaggccaat      120
111 atgaatggct accagaagca tttggttcca cttcgcgttc aaatgtggga gatggcaatg      180
113 cgacttaatg gaaccagcc aaatgaattc caccggcag tccagcagtg catcctggct      240
115 ccttacctaa agactttcct cagtatgcgt cctgattcgc aaacttaccc ggccaagctg      300
117 agctga                                          306
120 <210> SEQ ID NO: 6
121 <211> LENGTH: 156
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Alien to Mouse cDNA
128 <400> SEQUENCE: 6
129 atgcctcgag ggcgtactct ggtatctcgt caagcatggc gaacagtgac cggtaaggcg      60
131 ggatgctctg ggcggtatcc aagagagagc gggaccttga gtctatcgca tttttccctg      120
133 gggattatgt ctaagcggag ccaggaggag ctctga                    156
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 135
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Alien to Mouse cDNA
144 <400> SEQUENCE: 7
145 atgatgcagc cttgctccaa acaagaaaga atatgcggac ctctgactc cagcatcgag      60
147 tccgcgtacc gctcagcctc tctcacttct agccctgcc cgttgctcc ggccttctct      120
149 gcctgcccct gctaa                                          135
152 <210> SEQ ID NO: 8
153 <211> LENGTH: 144
154 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 12/11/2006

PATENT APPLICATION: US/10/763,039B

TIME: 12:21:40

Input Set : A:\Mod-0036.ST25.txt

Output Set: N:\CRF4\12112006\J763039B.raw

```

155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Alien to Mouse cDNA
160 <400> SEQUENCE: 8
161 atgaggcgag ccctggtagt gtgccccttg gcgggaccct ggaagaacca gcggtccatt      60
163 gccctggtga aagatcttcc catgaacgcc agcgttgccct catactttat agaaaggggg      120
165 agcatcagct ggcatttctc atga                                     144
168 <210> SEQ ID NO: 9
169 <211> LENGTH: 165
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Alien to Mouse cDNA
176 <400> SEQUENCE: 9
177 atgggggtggg tcaaggccct gcagagtgaag agcggctggt ggtttgtatt ttctcagggg      60
179 cgagtgaagc tgaaacccga gccgggccta gcgctggttg tacaccaggg ctttgaccaa      120
181 acagtcacag aatgtctaag cttcacagga aagcccatgt attag                               165
184 <210> SEQ ID NO: 10
185 <211> LENGTH: 561
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Alien to Mouse cDNA
192 <400> SEQUENCE: 10
193 atgatgagct tccaacattc cgacttctcc aatgtcgagg accgcaagct cttaacggaa      60
195 gcatgtcca caggcttcga agtaatcgag tcgccgtgca agatctgcat gccaaagcttt      120
197 ggaggtaaaa caactgcgga tggcaaaactc acttccgtga cttagggcat gaaacactgg      180
199 tctctcacca gagctagtc cccggaccag tcgcaaaagg gccgacccta caggagcacg      240
201 gtgcaagggg agattgaagc gggacagccc ccacatgaaa tctcctccga ctggtacccc      300
203 atgttcaaga tggaaacaga cagcccgaatt aagaatgttc cccaggcaca catggggggag      360
205 ttcgggcact gcgacaatct ccccaatggc aacacagtga gcaaccggga gcctagggag      420
207 aatgggaatg tggcgccggg agtgggctta gacggacagg aagaaatggg ctggccttg      480
209 ccggttcgtc cttcttgat gaactatttc tttaaagcat ccactctctc cttttggatg      540
211 ggctttcttg agcgccgcta g                               561
214 <210> SEQ ID NO: 11
215 <211> LENGTH: 480
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Alien to Mouse cDNA
222 <400> SEQUENCE: 11
223 atgggaaaaat ctgcttttga gtatgcagtg acgccccttc aagcccaagc ccgcagtttg      60
225 ggcagatccc tgaataaaag cccgggtgttc ttgttttact ctgagactac atccctgccaa      120
227 gccaaggatc tcccgtgtga gtcaggactt gctgtgagag acctgagcaa caggacacag      180
229 aacagtctag ctatgttttt ggcttcacgg gggatcaaa accctgaaat gaagatgaat      240
231 tattccatct atttggggca acccttgcaa gaaggtctgt ccccggtgca ggagaacttt      300
233 tctcaatggg aactcccact cgtggcttac atgagctttt tctgtccctt ccgtgcgggc      360
235 gaccgggggt cgatccataa tcactctctc acggtcagag cgaagattga ctactgtggt      420
237 cagcggtgca gtgcctcaga tccaaggagg ggcctcagg actattctca aatgctctga      480

```

RAW SEQUENCE LISTING

DATE: 12/11/2006

PATENT APPLICATION: US/10/763,039B

TIME: 12:21:40

Input Set : A:\Mod-0036.ST25.txt

Output Set: N:\CRF4\12112006\J763039B.raw

```

240 <210> SEQ ID NO: 12
241 <211> LENGTH: 231
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Alien to Mouse cDNA
248 <400> SEQUENCE: 12
249 atgcgggaag agtccaagac tatctcgatc aatggtgtga aatgggtcat tgatttgcca      60
251 gctgaaaaaa tcttcacgag gaactatggg gttgccgact gcaggagaag cttctacatc      120
253 ctgggcctgt ttggttgcca cctggtgact ggagggtacc gaacattcat gatctacatc      180
255 ggggtccattt cttctttcat catgtatgtg ggggtccgga tcattcgttg a                231
258 <210> SEQ ID NO: 13
259 <211> LENGTH: 426
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Alien to Mouse cDNA
266 <400> SEQUENCE: 13
267 atggtgcccc aagtgtgcga gcagtggagc ctgtgttggt cctcgggcgg gttcccaa      60
269 cctgcaggct cttatttaga gccgtgggca agcgacttgt ccaggagact tcagtgcgcc      120
271 ggctacagcg gcttcttaag tggccccacg gattttctct ctatgggagt gtcatgtcac      180
273 ctacacaggg aatcatttcg gttccactg caggatgatt gcctcctgac caagatgcac      240
275 aggttgaaag atttctggga ctccaccagc aggtttaagc agctgggcga atctgaggcc      300
277 cctcagcaga ttcgcaagaa aaaatcatcg tttagtttct ggggctcatc ggagaactct      360
279 gcgcccgcga ccgaaaatac cagcaagaag tcccaggatt cttcttttga tgccatcctc      420
281 aagtga                                           426
284 <210> SEQ ID NO: 14
285 <211> LENGTH: 192
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Alien to Mouse cDNA
292 <400> SEQUENCE: 14
293 atgggtgtgt cgatggccag cttcatgctc tcttctggcc tcctggatgc agaggagaa      60
295 agcttcatgt cttggcatct cagcagccct ggaacagccg tggaccgaac ggcccaaatg      120
297 tttattcact tcagaatgat ggggtcaatc ttcagtgtta ccctgacgct tgaagtcatg      180
299 cggctctctgt ga                                           192
302 <210> SEQ ID NO: 15
303 <211> LENGTH: 351
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Alien to Mouse cDNA
310 <400> SEQUENCE: 15
311 atgacaatgg aaacagggag gcacccggtc atgaaggacc aagcccttga cgaatgcgaa      60
313 cggtcgatgt ggccgggtccc ttcttgggcc tgggagagtt cttgttctca tcgtgtcgat      120
315 gagggagatg tatcggtact gctggaacag tttcggcacc agactgaaça gctcccgcgc      180
317 atgagctact ttttggaaca gccaaagctg tcttcgttcc aggaagagcc acggctgtgg      240
319 gtgactttat gccaggagac attgccattt cccctgggta attctgggta tgatgagcag      300

```

RAW SEQUENCE LISTING

DATE: 12/11/2006

PATENT APPLICATION: US/10/763,039B

TIME: 12:21:40

Input Set : A:\Mod-0036.ST25.txt

Output Set: N:\CRF4\12112006\J763039B.raw

```

321 gaagaggagg gctgtgtct ggtctgtccg ttgccagac ttcagacatg a 351
324 <210> SEQ ID NO: 16
325 <211> LENGTH: 153
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Alien to Mouse cDNA
332 <400> SEQUENCE: 16
333 atgggtaaaa tcaatcacac cacatcgaca cctaccttga gcactttaaa aatccccaca 60
335 tttgaggcct tacgcccgt actatgccct agactggatc ccccccacctc gtctgtccgc 120
337 ctggcatttg aaggccagtc tcagaaattg tag 153
340 <210> SEQ ID NO: 17
341 <211> LENGTH: 324
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Alien to Mouse cDNA
348 <400> SEQUENCE: 17
349 atggttcgca aggttgctca caatgttctg tatgagacca tgggtcagaa agctgactca 60
351 aagtggggaa ccagaaagaa gcagccacaa gggacccgcc tgagcaaacc ttgcaccacg 120
353 gtggtggagt ggctgtctgc cttcatgtac cgatcccgc aaaaactgac gagccgcttc 180
355 tatctgaaac ctaacatgtc ttccggttct atccgctacg gagagcggca accactcttt 240
357 ttggacagcc tgctttggtc cgacagtgga aagggagcct ttgcctcctg caaatgctct 300
359 tatgctaaat cattttttga ctga 324
362 <210> SEQ ID NO: 18
363 <211> LENGTH: 450
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Alien to Mouse cDNA
370 <400> SEQUENCE: 18
371 atgagcaact acctccacat tcgttccccg gagtcggtcc ataacacctt tcctttgtgg 60
373 gtccatattg ctcaagcaaa gttcggtcac ctacaagcct tgttaaagcg cgagagtggg 120
375 tttgaagcca acaccgcgaa tgctgggccg ctaggccccc gcatcagcga tgacactcgc 180
377 aatatacctt tgactggatt gttcctctcc ctgaccaaga agtgtggatg tgtccagtta 240
379 cagtgtggcc gacagagtag cctcgatgcc aaaatgccat gtgaccagca ctatagaaag 300
381 gtgcagtctg cctcagcca gggctctgcag atgggtgggtg cgtgggtgaa gcagaaagca 360
383 agccaggaga ttgccgggtg gctccacagc agcagccttc aagagcaggc cttggatgga 420
385 tcatccaact tcgccactct gtccgtttaa 450
388 <210> SEQ ID NO: 19
389 <211> LENGTH: 720
390 <212> TYPE: DNA
391 <213> ORGANISM: Artificial
393 <220> FEATURE:
394 <223> OTHER INFORMATION: Alien to Mouse cDNA
396 <400> SEQUENCE: 19
397 atgcggagaa ttaagtttga gttcaagaaa ataccttctg ttcgtttgta ccggttcttc 60
399 ttcggttctt gggctaagat ttctaccctg gcatttgtgg aggacaccta tacctatgcc 120
401 ttctggatgg aaggagcagg cttcactctt gtctcagctg actgcattac ttcccggacc 180

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/11/2006
PATENT APPLICATION: US/10/763,039B TIME: 12:21:41

Input Set : A:\Mod-0036.ST25.txt
Output Set: N:\CRF4\12112006\J763039B.raw

Invalid <213> Response:

**Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.**

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135
Seq#:136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153

VERIFICATION SUMMARY

DATE: 12/11/2006

PATENT APPLICATION: US/10/763,039B

TIME: 12:21:41

Input Set : A:\Mod-0036.ST25.txt

Output Set: N:\CRF4\12112006\J763039B.raw